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DIRECTORATE OF
INTELLIGENCE

Imagery Analysis Service Notes

25 July 1969

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This publication highlights significant or timely intelligence items derived from photography.

The interpretations in this publication represent preliminary views which are subject to modification in the light of further information and more complete analysis.

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CENTRAL INTELLIGENCE AGENCY
Directorate of Intelligence
Imagery Analysis Service

IMAGERY ANALYSIS SERVICE NOTES NO. 18/69

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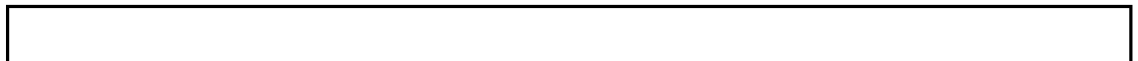
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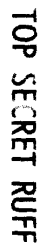
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CHINA

Petroleum Industry Continues to Expand

Photographic analysis of most of the major oil production and petroleum refining facilities in China shows that significant expansion has occurred in the petroleum industry during the 1960's and is still in progress. (See Figure 3 for the locations of the major petroleum facilities in China.)

Most of the expansion in the industry has taken place east of Lan-chou. Large refineries were constructed at Sa-erh-tu and Nan-ching, and additional secondary processing units were added to several other refineries. The three major shale oil plants continue in operation, and one of them, Fu-shun East, has been enlarged to process crude oil as well as shale oil. This probably reflects increased crude oil production from the rapidly expanding Sa-erh-tu and Kuang-jao oilfields in eastern China.

No new primary distillation units have been built at the refineries from Lan-chou west, but some secondary processing facilities have been added, mostly at the Lan-chou refinery. The oilfields in western China have been expanding at a moderate rate, with the greatest increase occurring at Ko-la-ma-i.

For detailed descriptions of the major oil production and petroleum refining facilities in China, see the following recent IAS reports: RCS 13/0181-0196/69 and RCS 13/0277-0280/69.

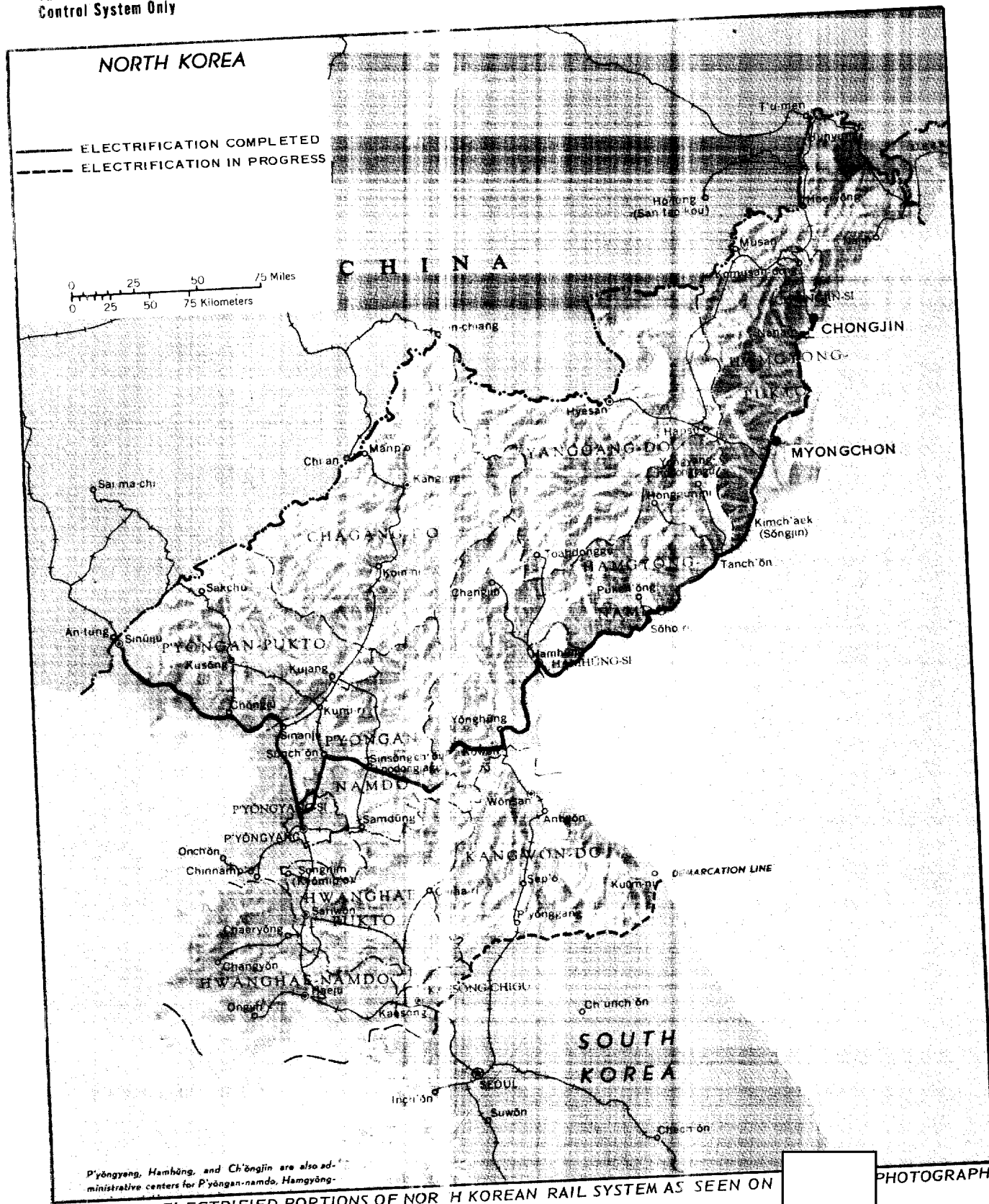
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NORTH KOREA

Extension and Modification of Electrified Rail System

25X1D The much-publicized extension of electrification on North Korea's east coast rail line has been confirmed on large-scale KEYHOLE and GIANT SCALE photography of [REDACTED]. On a 55-nautical-mile segment of the line from the Myongchon area, previous terminus of the electrified portion of the line, to the Chongjin area, six rectifier-transformer stations are under construction and new poles have been emplaced to support the electrical transmission system (see Figure 4). These facilities have been under construction since [REDACTED]. The stations appear to be about half complete, and no major exterior electrical apparatus has been installed.

25X1D Although the new rectifier-transformer stations generally resemble the 30 previously identified Russian-designed stations along the line, changes in design are apparent. The new control buildings are smaller and the high bay is near the center of the building rather than at one end. In addition, the interval between stations has been reduced from approximately 30 kilometers elsewhere in the network to approximately 20 kilometers in the new section. These modifications may indicate a design improvement or they may be aimed at insuring completion of the electrification program by the end of the current seven-year plan in December 1969.

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